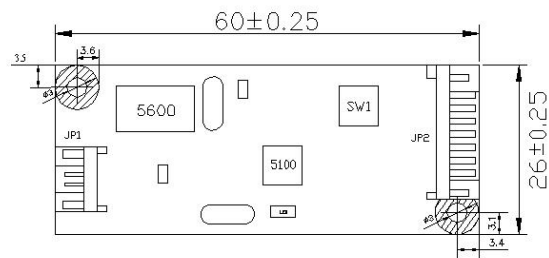


## PenMount 5126 Touch Controller Board

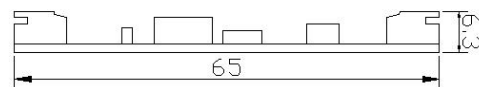
PenMount 5126 USB control board is a touch screen control board designed for USB interface and specific for 4-wire & 8-wire touch screens. It is designed with USB interface features with multiple devices supporting function, it is able to support up to 15 USB devices through PenMount 5126 board. With the small footprint mechanical size, the controller consists of two controller ICs, DMC5100 and DMC5600. DMC5100 is an 8-bit microcontroller while DMC5600 is a Universal Serial Bus microcontroller. There are two connectors on this board, one connector is 9-pin connector for touch screen, and the other is 4-pin USB A type cable.



PenMount 5126 Control Board



PenMount 5126 Control Board



Unit:mm

### Electrical Specifications

Touch Screen:	For 4- & 8-wire analog resistive type
Communications:	USB
Touch Controller :	DMC5100
USB controller:	DMC5600
Resolution:	2048 x 2048
Power Consumption:	29mA+ i where (i = v/touch screen sheet R)
Size:	60 (L) x 26 (W) x 6.3 (H) mm
Storage Temperature Range	-40°C - +85°C
Operating Temperature	0°C –70°C
Diagnostic:	LED on board
Electro Static Discharge Protection	Air Discharge 20KV / Contact Discharge 15KV
Multi-devices:	Supporting up to 15 USB devices

*Changes that contribute to technical improvement are subject to alternations*

				2005	Datum	Name	<b>Touch Controller Board USB 4, 8-wire SPEZIFICATIONS PenMount 5126 Manufactured by Apex Material Technology Corp.</b>
				Bearb.	21.09.	Maurer	
				Gepr.	21.09.	Maurer	
				Vert.			
				<b>EDV-Datasheet</b>			
				don't change manually			
				<b>SCHURTER</b>			<b>H 1070,0045.01-.03</b>  Blatt 1 von 2    Index: a
				ELECTRONIC COMPONENTS			
				D 79346 Endingen			
a	2002057	24.10.2005	Maurer				
Zu	Änd.	Datum	Name				

## Driver Software

Windows 98/Me/2000/XP/2003, Windows XP(WHQL), Windows CE.Net (for X86 SA and Xscale CPU), Linux

Actual driver overview and download: <http://www.amtouch.com.tw/downloads/drivers.htm>

## Value-added Feature

Diagnostic LED on board

ESD-Voltage protection

Noise filtering

## Jumper Definitions

JP1: USB Interface

PIN1: Ground

PIN2: D+

PIN3: D-

PIN4: Vcc


(USB cable is included)

JP2: Touch Screen Lines:

	8-Wire	4-Wire
PIN1	Ground	Ground
PIN2	Top	Top
PIN3	Bottom	Bottom
PIN4	Left	Left
PIN5	Right	Right
PIN6	Top Sense	---
PIN7	Bottom Sense	---
PIN8	Left Sense	---
PIN9	Right Sense	---

<b>1070. 0045.01</b>	with cable set 4-wire ZIF,	USB cable 1500mm
<b>1070. 0045.02</b>	with cable set 4-wire AMPC,	USB cable 1500mm
<b>1070. 0045.03</b>	with cable set 8-wire AMPC,	USB cable 1500mm

*Changes that contribute to technical improvement are subject to alternations*

				2005	Datum	Name	<b>Touch Controller Board USB 4, 8-wire SPEZIFICATIONS PenMount 5126 Manufactured by Apex Material Technology Corp.</b>
				Bearb.	21.09.	Maurer	
				Gepr.	21.09.	Maurer	
				Vert.			
				<b>EDV-Datasheet</b>			
				don't change manually			
				 <b>SCHURTER</b> ELECTRONIC COMPONENTS			<b>H 1070,0045.01-.03</b>
a	2002057	24.10.2005	Maurer				
Zu	Änd.	Datum	Name	D 79346 Endingen			Blatt 2 von 2 Index: a